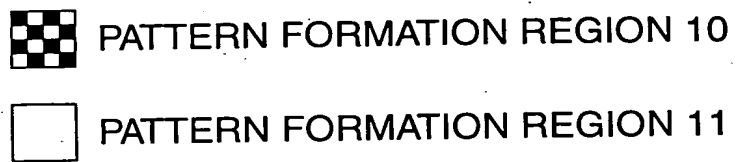
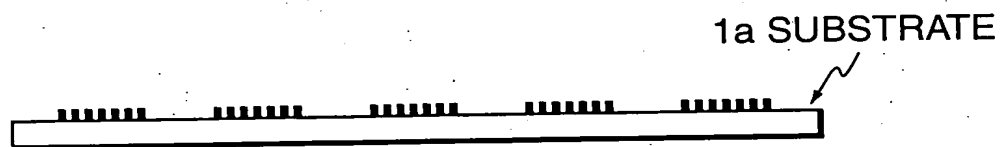
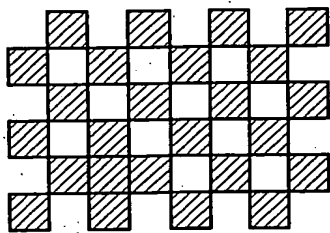


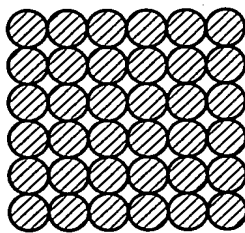
**FIG. 1A**



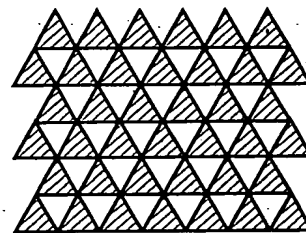
**FIG. 1B**



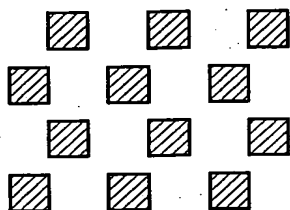
**FIG. 2A**



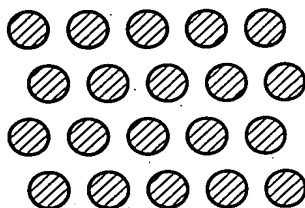
**FIG. 2B**



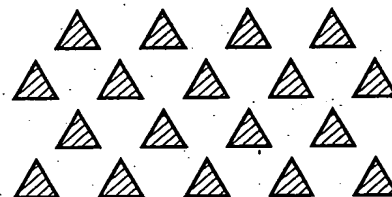
**FIG. 2C**



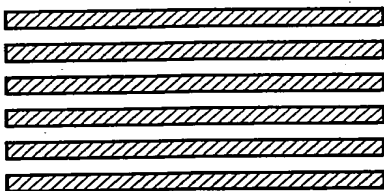
**FIG. 2D**



**FIG. 2E**

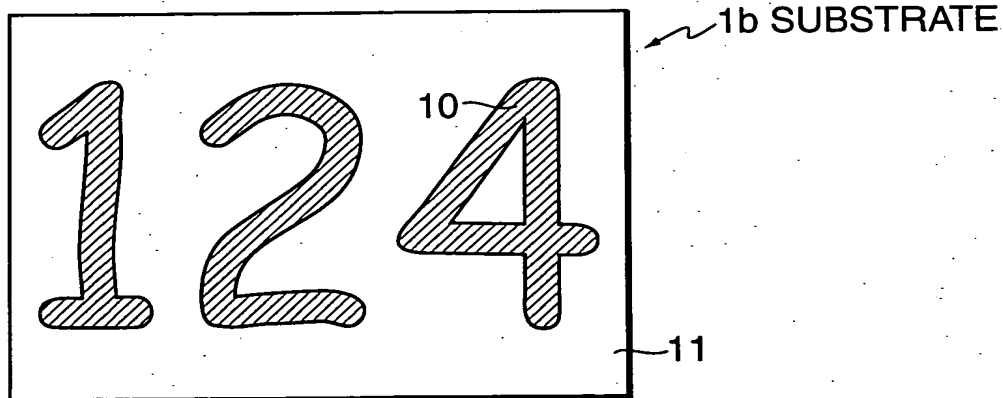


**FIG. 2F**

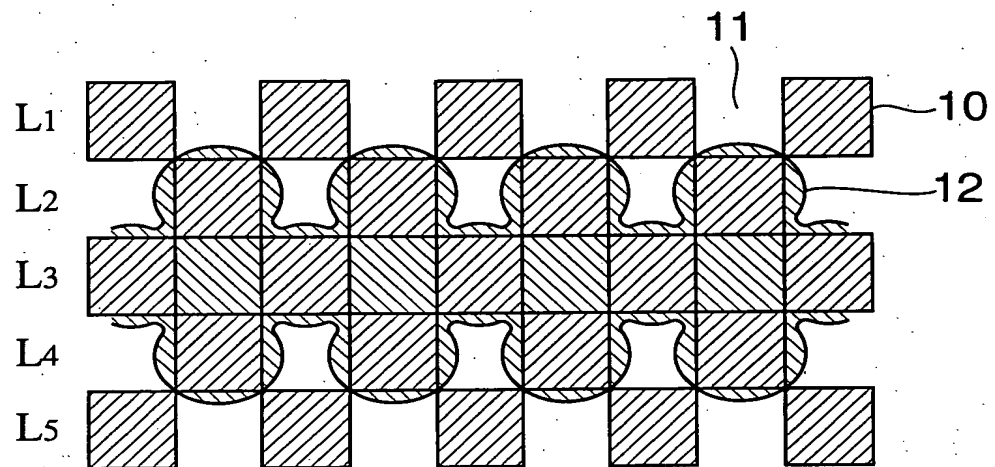


**FIG. 2G**

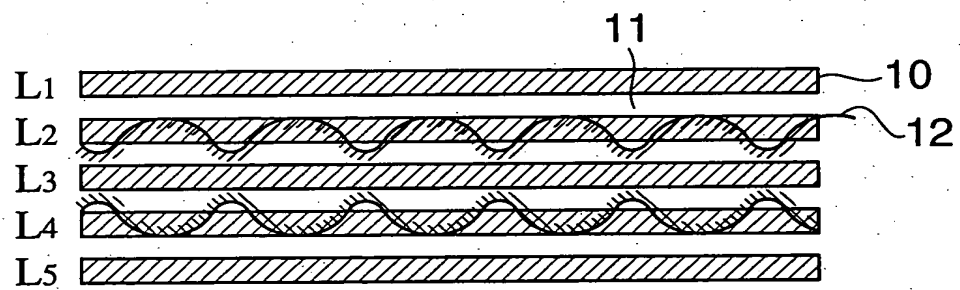
-  AFFINITY REGION 110
-  NON-AFFINITY REGION 111



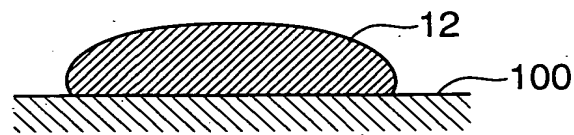
**FIG. 3**



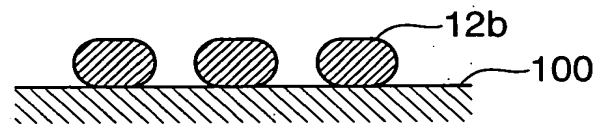
**FIG. 4A**



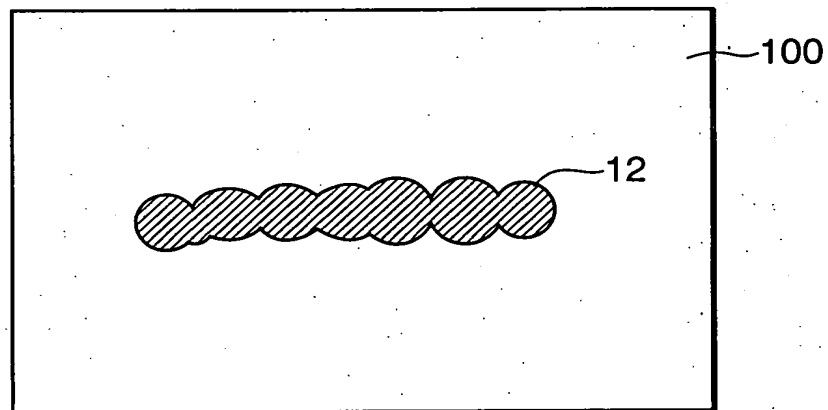
**FIG. 4B**



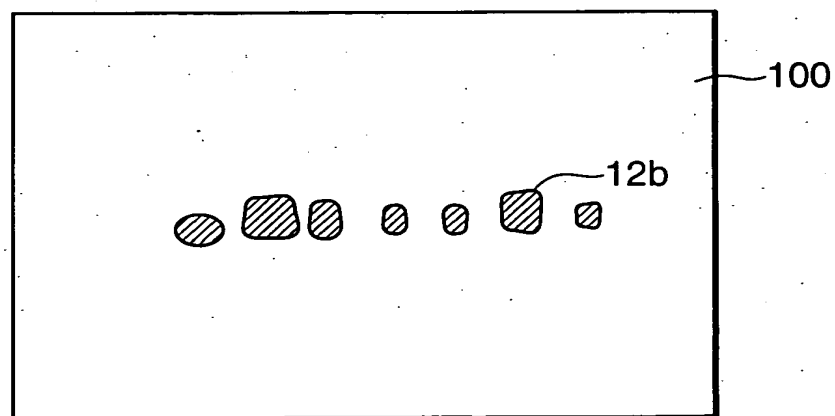
**FIG. 5A**



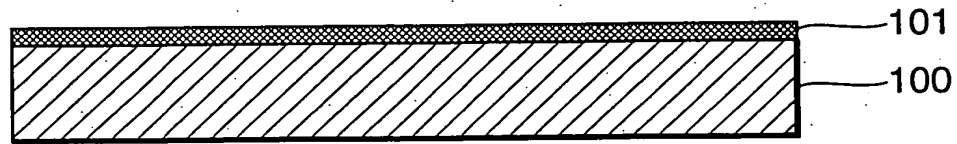
**FIG. 5B**



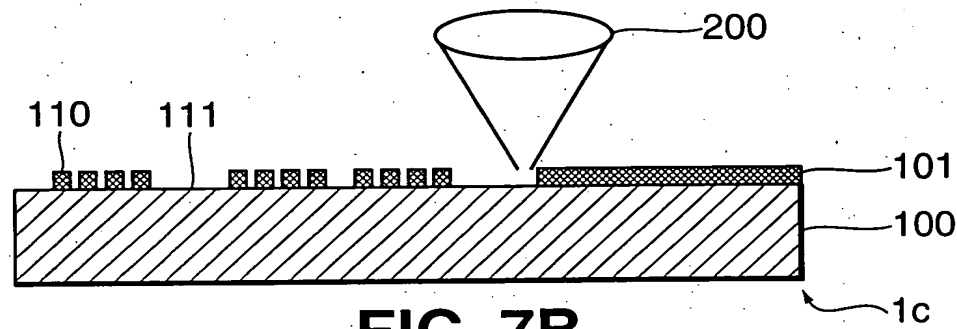
**FIG. 6A**



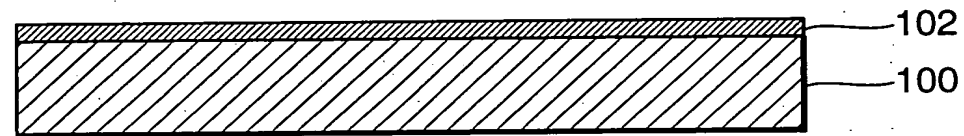
**FIG. 6B**



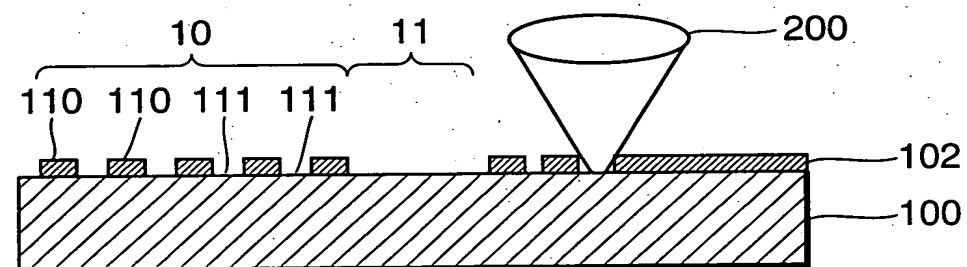
**FIG. 7A**



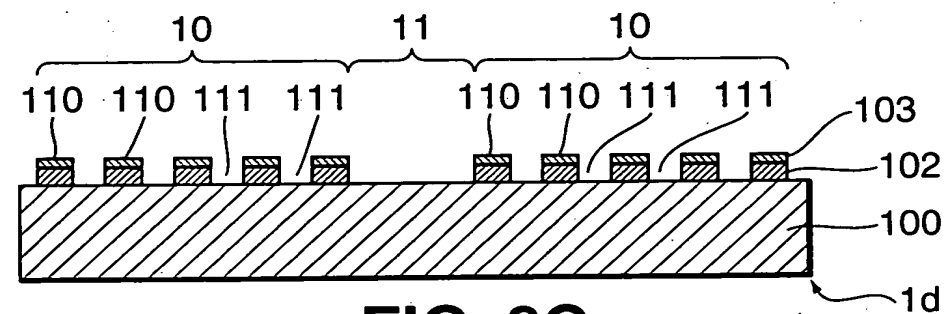
**FIG. 7B**



**FIG. 8A**

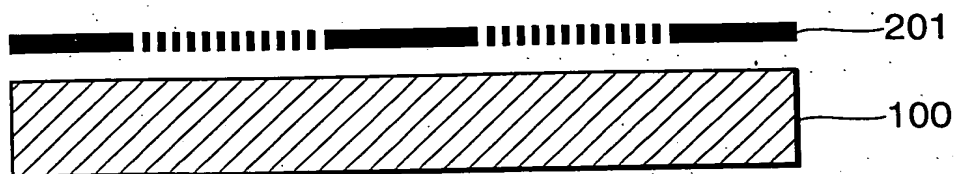


**FIG. 8B**

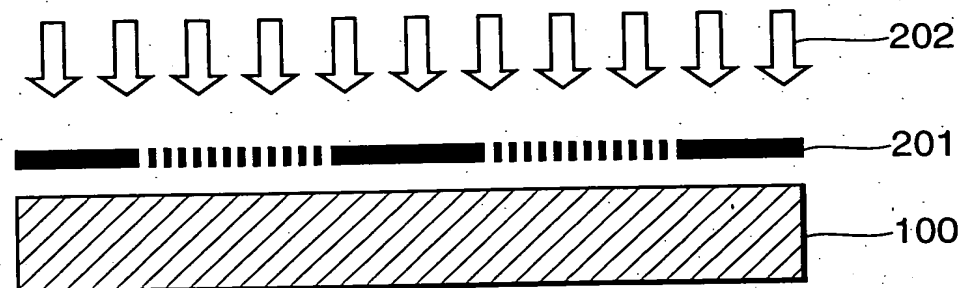


**FIG. 8C**

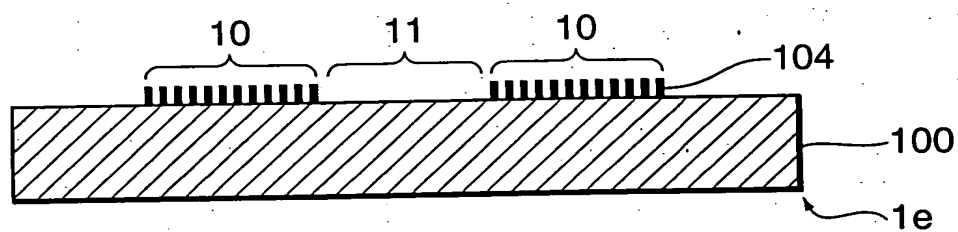
**FIG. 9A**



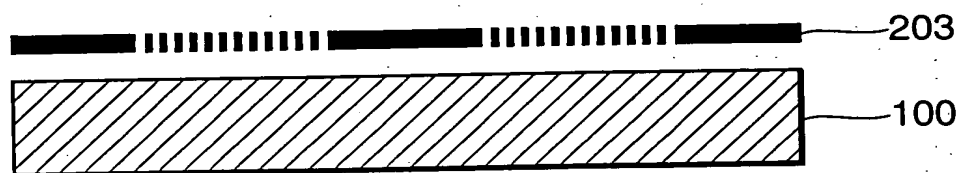
**FIG. 9B**



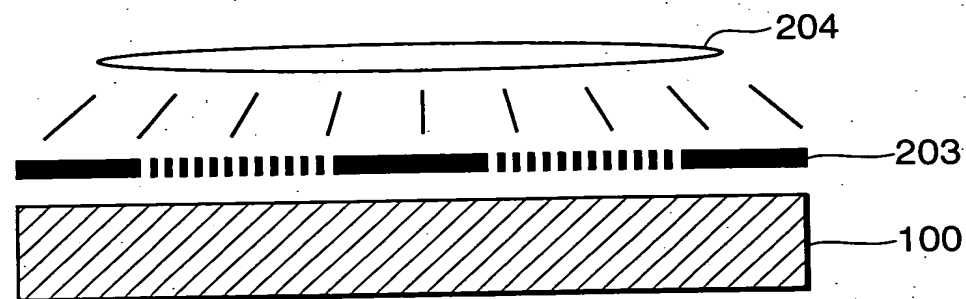
**FIG. 9C**



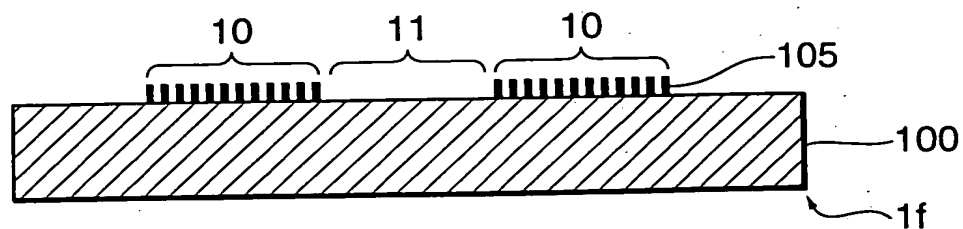
**FIG. 10A**

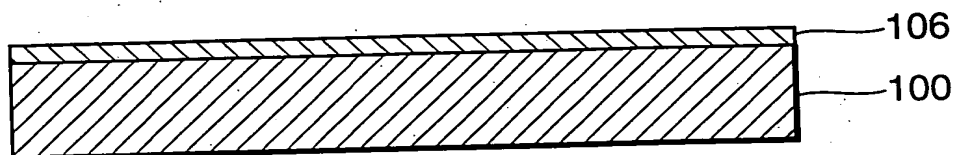


**FIG. 10B**

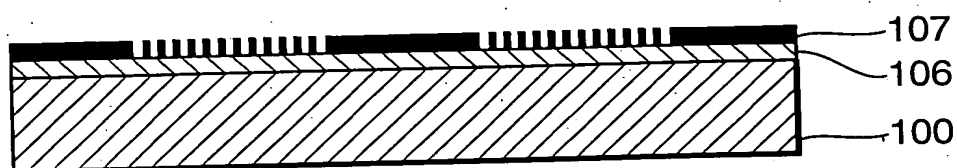


**FIG. 10C**

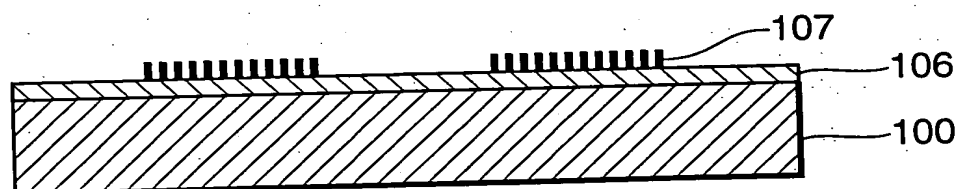




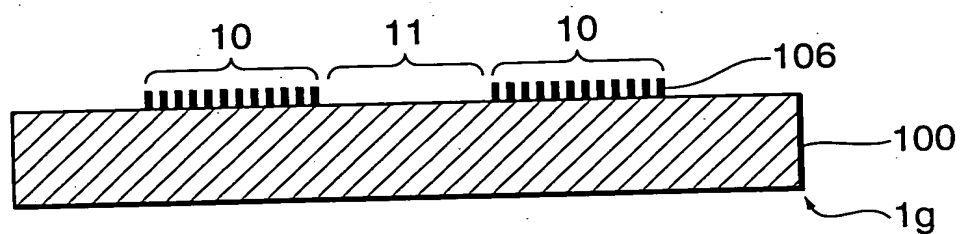
**FIG. 11A**



**FIG. 11B**



**FIG. 11C**



**FIG. 11D**

FIG. 12A

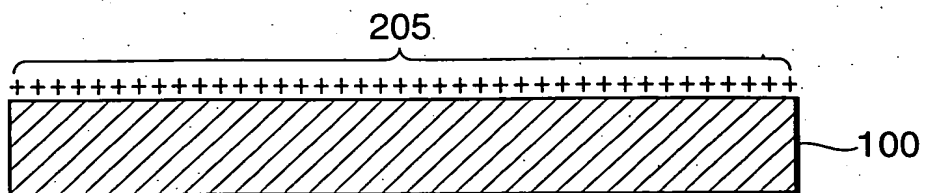


FIG. 12B

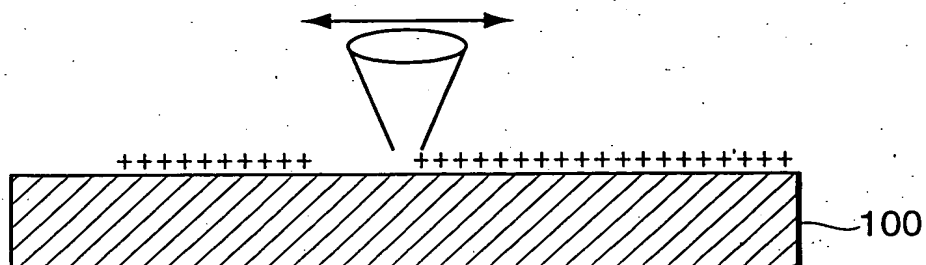


FIG. 12C

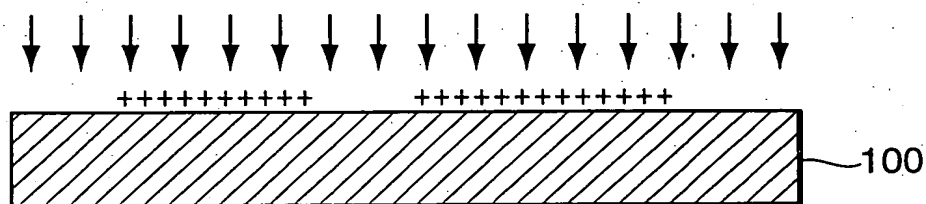


FIG. 12D

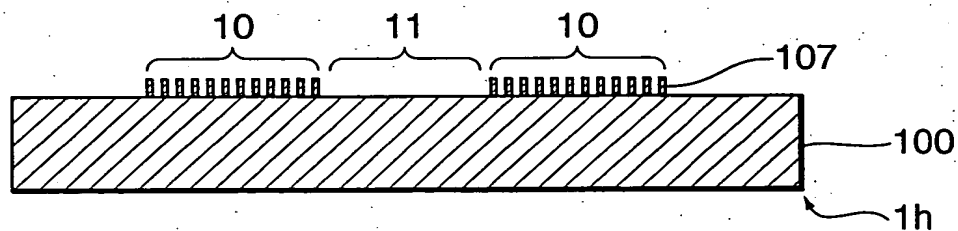


FIG. 13A

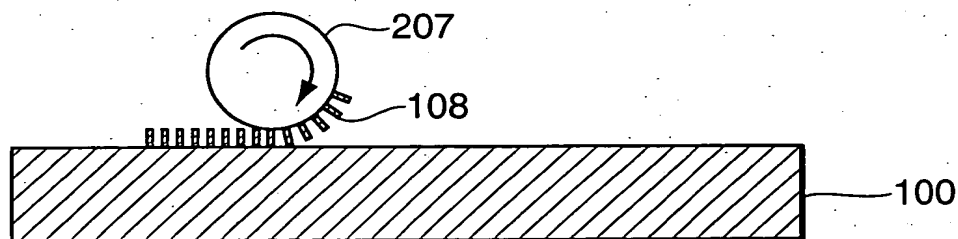
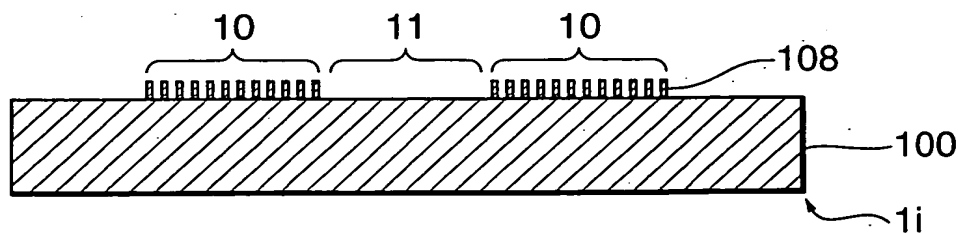
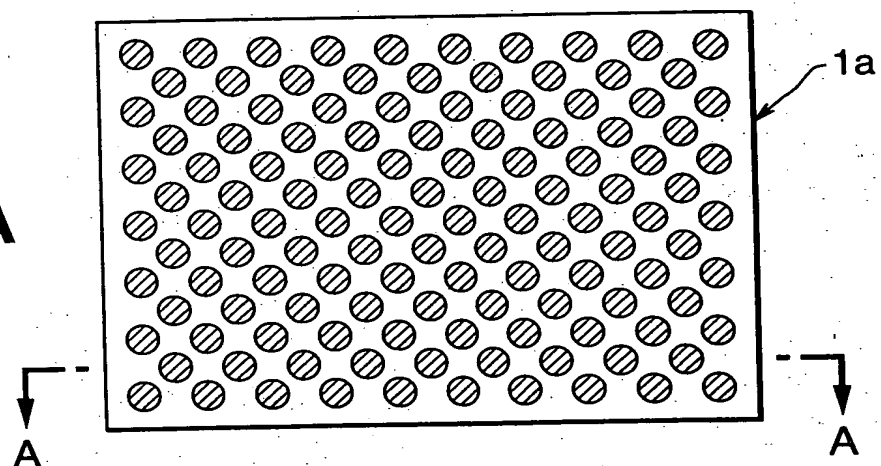




FIG. 13B



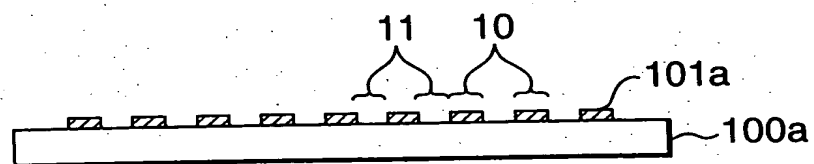


**FIG.14A**

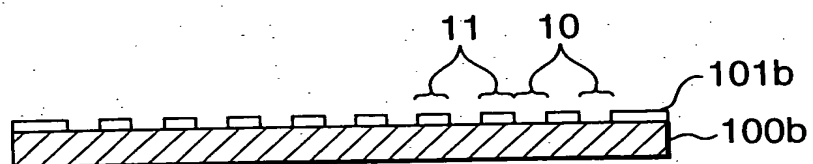


-  REGION 10 WHICH EXHIBITS AFFINITY
-  REGION 11 WHICH DOES NOT EXHIBIT AFFINITY

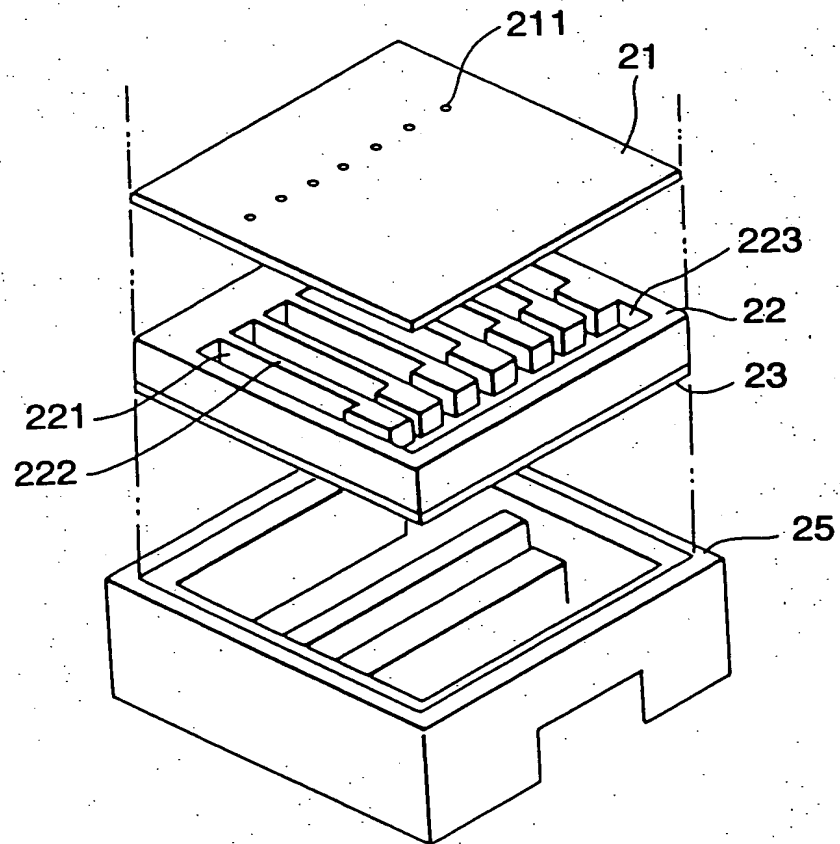
**FIG.14B**



**FIG.14C**



**FIG.15**



**2: INK-JET-TYPE RECORDING HEAD**

**FIG.16**

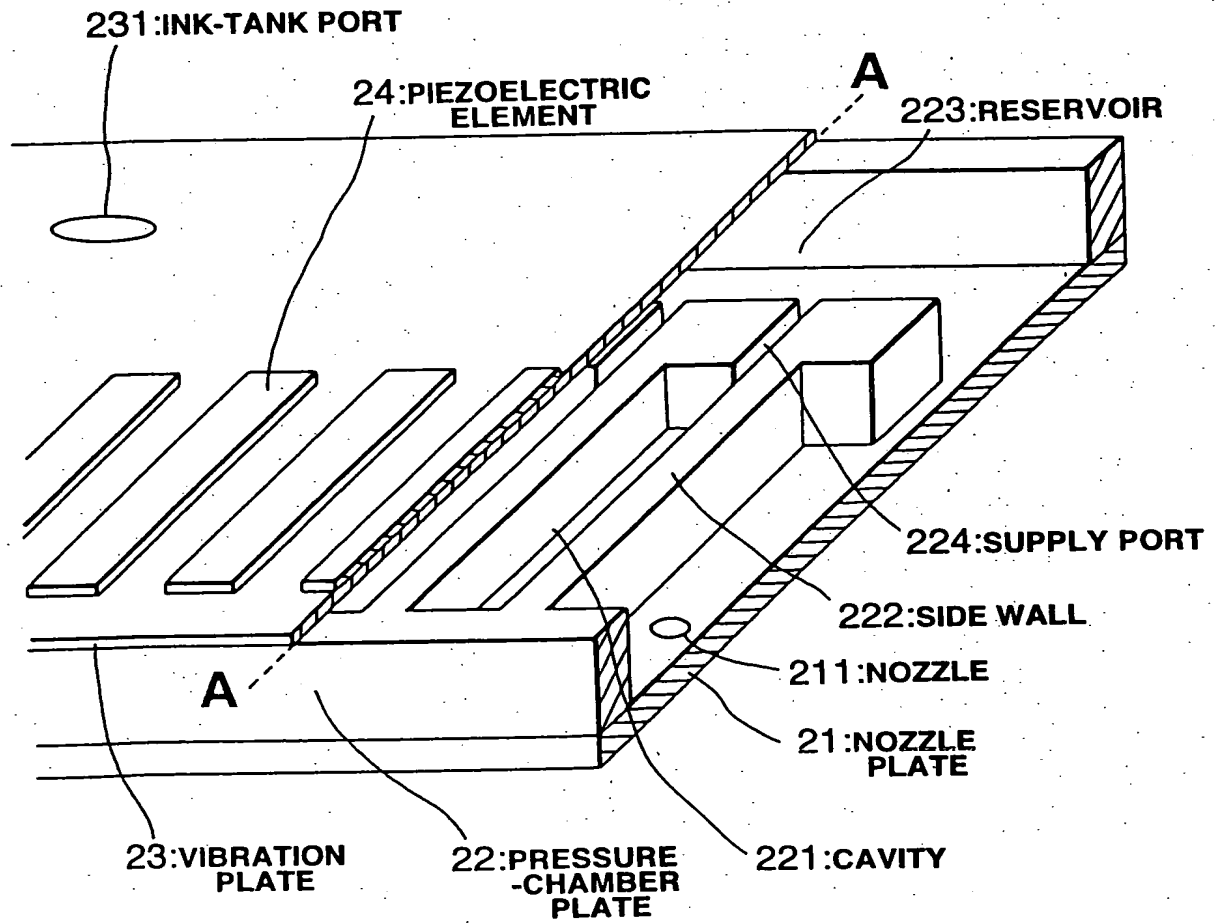
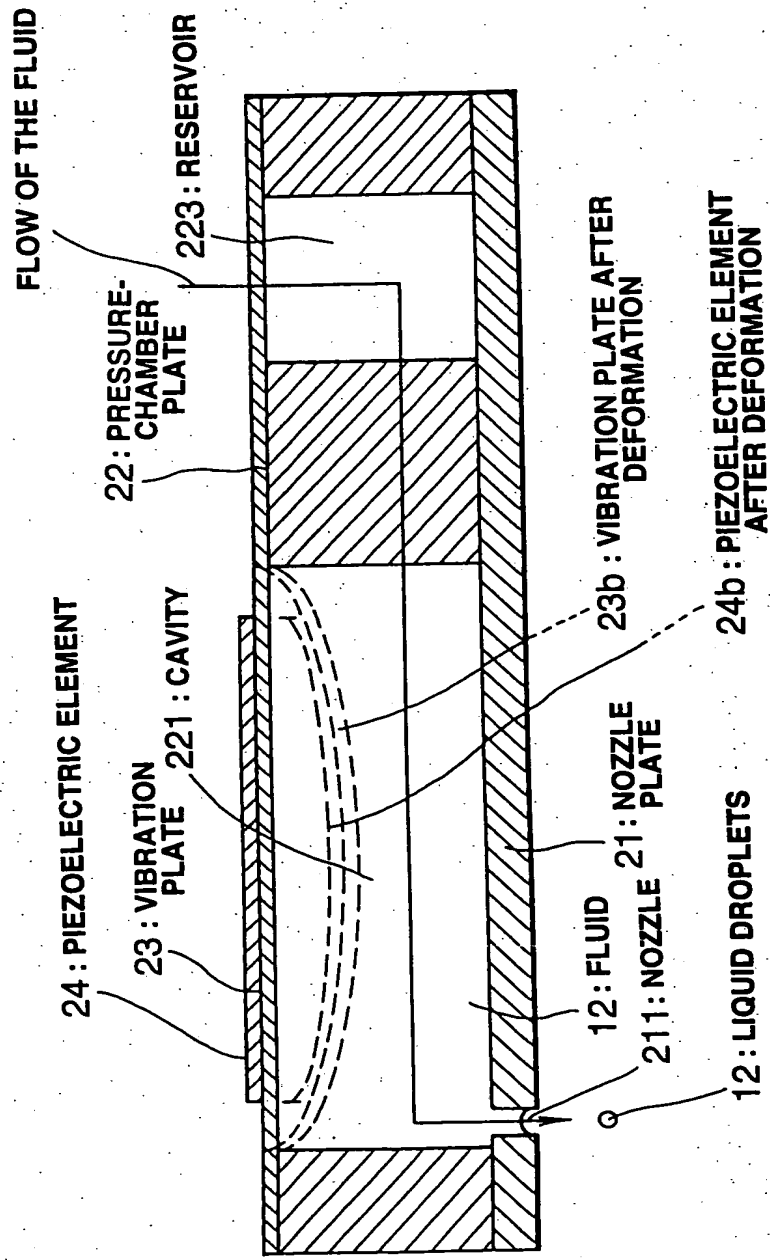
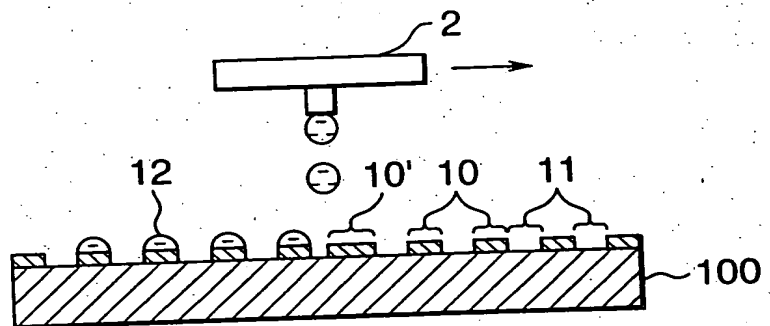


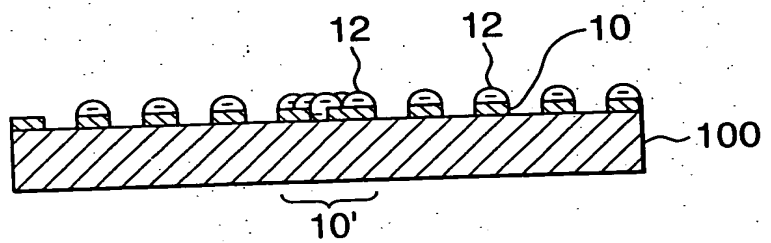
FIG.17



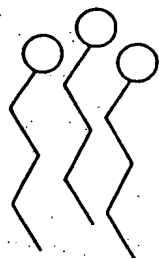
**FIG.18A**



**FIG.18B**

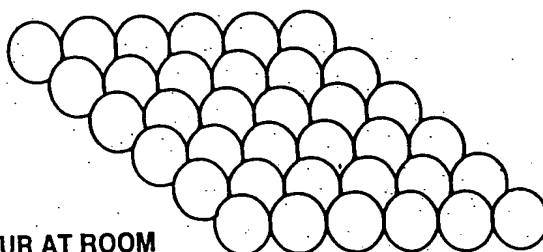


**FIG.19A**



ETHANOL  
1—10mM

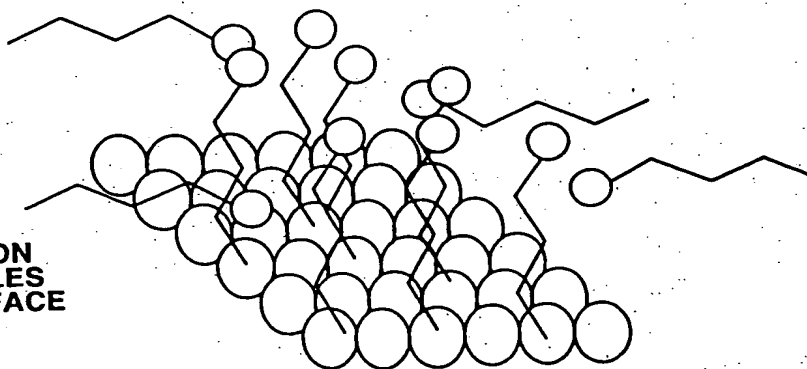
**FIG.19B**



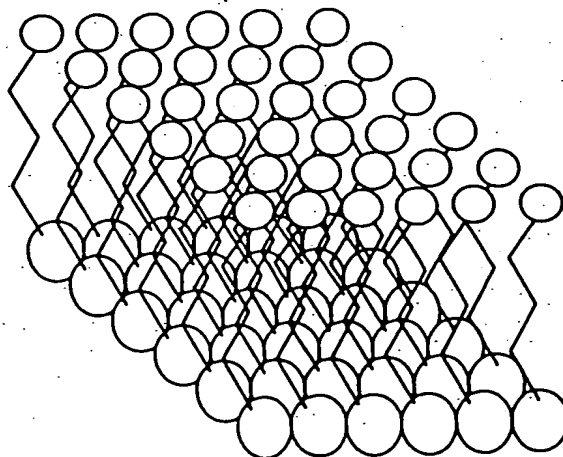
MOLECULES WITH THIOL  
FUNCTIONAL GROUPS  
METAL SURFACE

1 HOUR AT ROOM  
TEMPERATURE

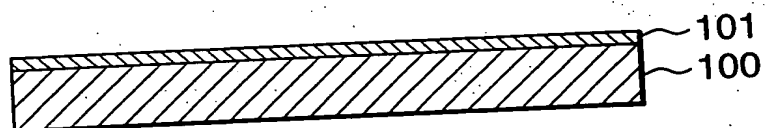
**FIG.19C**  
SELF-AGGREGATION  
OF THIOL MOLECULES  
ON THE METAL SURFACE



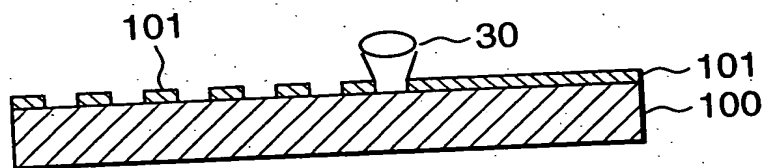
**FIG.19D**  
TWO-DIMENSIONAL  
MONO-MOLECULAR  
FILM OF THIOL  
MOLECULES



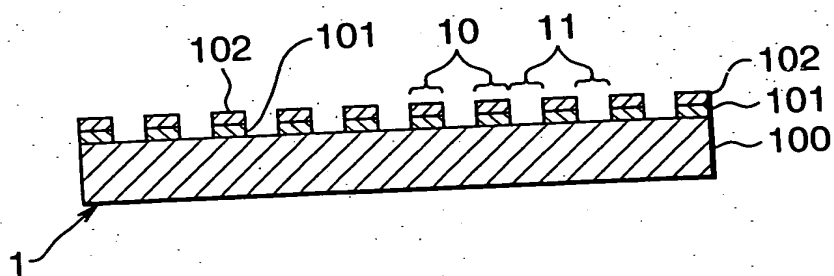
**FIG.20A**



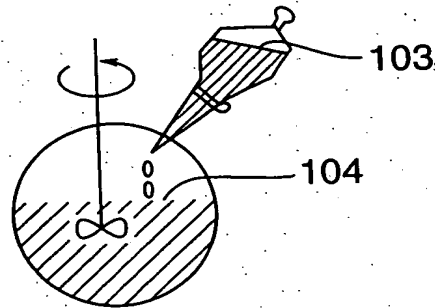
**FIG.20B**



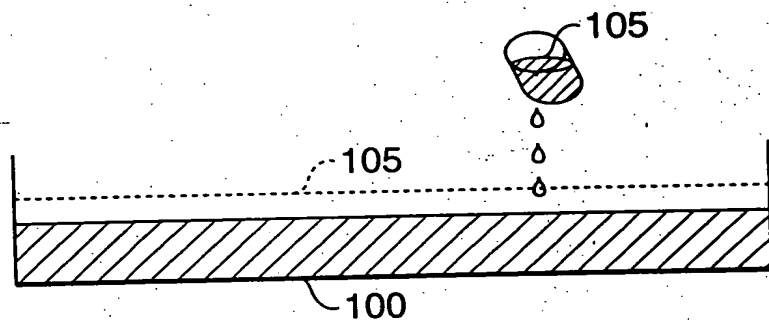
**FIG.20C**



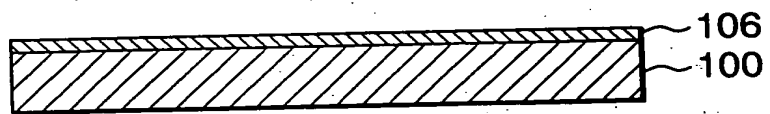
**FIG.21A**



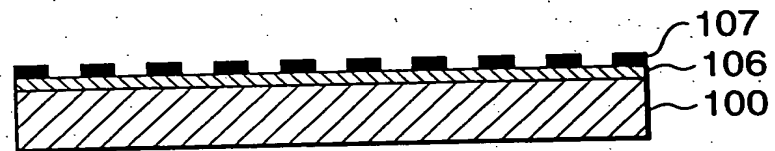
**FIG.21B**



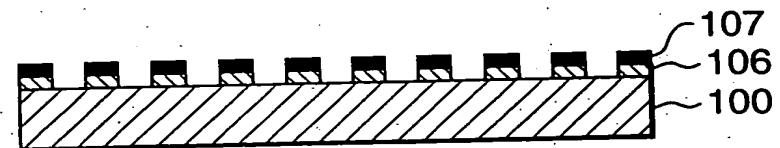
**FIG.22A**



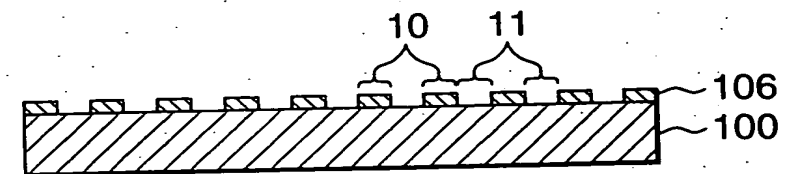
**FIG.22B**



**FIG.22C**

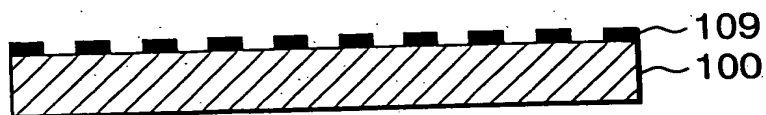


**FIG.22D**

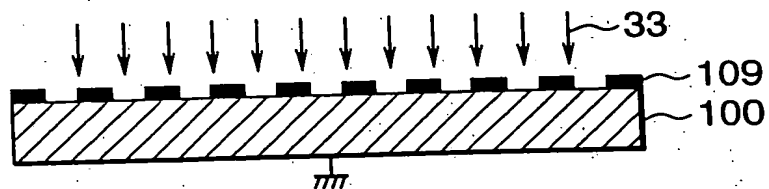




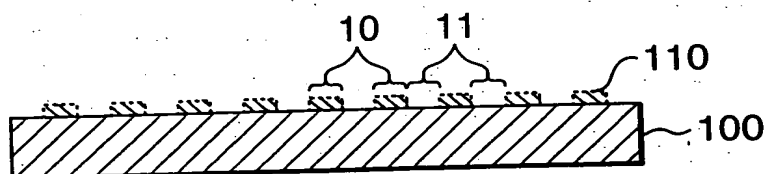
**FIG.23A**



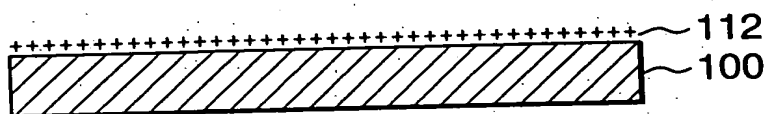
**FIG.23B**



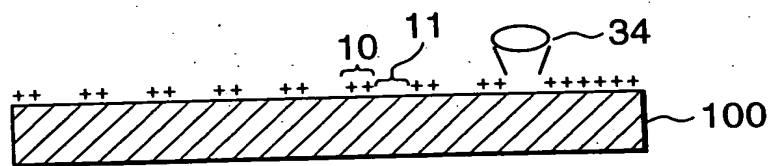
**FIG.23C**



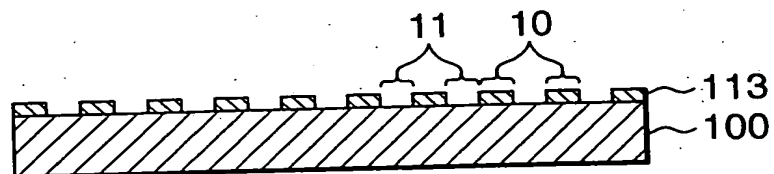
**FIG.24A**



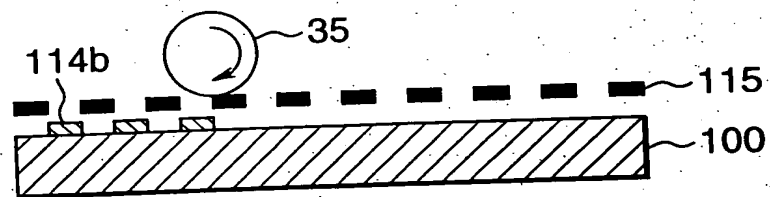
**FIG.24B**



**FIG.24C**



**FIG.25A**



**FIG.25B**

